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PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

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CONTENTS

APPLICATIONS RECEIVED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
	ALFALFA			
9100005	Cimarron VR		10/04/1990	Thaddeus H. Busbice
	BEAN, FIELD			
9100026	<PT84354>		11/05/1990	Rogers Brothers Seed Company
9100042	Avanti		12/10/1990	Asgrow Seed Company
9100043	Etna		12/10/1990	Asgrow Seed Company
	BEAN, GARDEN			
9100009	Belmont		10/10/1990	Ferry-Morse Seed Company
9100010	Rapids		10/10/1990	Ferry-Morse Seed Company

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< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BEAN, GARDEN (Continued)				
9100041	Gentry		12/07/1990	Rogers Brothers Seed Company
9100044	Gold Mine		12/10/1990	Asgrow Seed Company
COMMON STOCKS				
9100039	Midget Lavender		12/04/1990	American Takii, Inc.
CORN, FIELD				
9100002	BCC03		10/01/1990	Northrup King Co.
9100034	FBLL		12/03/1990	DeKalb Plant Genetics
9100035	FBLA		12/03/1990	DeKalb Plant Genetics
9100036	6F629		12/03/1990	DeKalb Plant Genetics

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APPLICATIONS RECEIVED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
CORN, FIELD (Continued)				
9100037	6M502A		12/03/1990	DeKalb Plant Genetics
9100038	NL001		12/03/1990	DeKalb Plant Genetics
COWPEA				
9100008	Texas Pinkeye	(2)	10/09/1990	Texas Agricultural Experiment Station
ENDIVE				
9100004	Priscilla		10/02/1990	Rijk Zwaan Zaadtellt en Zaadhandel B.V.
FESCUE, TALL				
9100001	Hubbard 87		10/01/1990	Hubbard Seed and Supply
9100046	Trailblazer II		12/17/1990	Pure-Seed Testing, Inc.
9100047	Aquara		12/19/1990	The O. M. Scott & Sons Company

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APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
LESPEDEZA				
9100015	AU Donnelly		10/12/1990	Auburn University and Alabama Agricultural Experiment Station
LETTUCE				
9100003	Raisa		10/02/1990	Rijk Zwann Zaadteelt en Zaadhandel B.V.
9100012	Vango		10/10/1990	Ferry-Morse Seed Company
9100013	<711,712>		10/15/1990	Plant Genetics, Inc.
9100014	<713>		10/15/1990	Plant Genetics, Inc.
9100027	<SLE 9601>		11/14/1990	Sakata Seed America, Inc.
9100028	<SLE 9701>		11/14/1990	Sakata Seed America, Inc.

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APPLICATIONS RECEIVED
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APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
OAT				
9100058	Dane	(2)	12/31/1990	Wisconsin Agricultural Experiment Station
ONION				
9100030	Red Pinoy		11/29/1990	Hortigen B.V.
PEA				
9100016	Quad		10/16/1990	Crites-Moscow Growers, Inc.
9100018	<M5X8501>		10/23/1990	L. D. Maffei Seed Co., Inc.
9100019	<M2X8601>		10/23/1990	L. D. Maffei Seed Co., Inc.
PUMPKIN				
9100011	<Sugar Hill>		10/11/1990	John Jaunsem
9100017	<HSR 449>		10/22/1990	Hollar Seed Company; Geo. Perry & Sons

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APPLICATIONS RECEIVED
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APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
RADISH				
9100029	Ruby		11/15/1990	Alf Christianson Seed Co.
RAPE				
9100020	Bingo		10/25/1990	Ameri-Can Pedigreed Seed Co.
9100021	A112		10/30/1990	Ameri-Can Pedigreed Seed Co.
9100022	A114		10/30/1990	Ameri-Can Pedigreed Seed Co.
9100023	D931		10/30/1990	Ameri-Can Pedigreed Seed Co. and Prodana Seeds A/S
RYEGRASS, PERENNIAL				
9100024	LowGrow		11/01/1990	Pickseed West Inc.
9100053	Legacy		12/24/1990	Pure-Seed Testing, Inc.

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APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
SORGHUM				
9100007	PH352		10/10/1990	Pioneer Hi-Bred International, Inc.
SOYBEAN				
9100025	Kasota	(3)	11/01/1990	Minnesota Agricultural Experiment Station
9100033	CX210		12/03/1990	DeKalb Plant Genetics
9100040	Archer	(1)	12/04/1990	Iowa State University Research Foundation, Inc.
TOMATO				
9100045	Sun 6095		12/13/1990	Sunseeds, Div. of Westseeds, Inc.
9100048	NC 8276		12/17/1990	N. C. Agricultural Research Service, Dr. R. G. Gardner, Breeder
9100049	NC 84173		12/17/1990	N. C. Agricultural Research Service, Dr. R. G. Gardner, Breeder

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APPLICATIONS RECEIVED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
TOMATO (Continued)				
9100050	NC 1C		12/17/1990	N. C. Agricultural Research Service, Dr. R. G. Gardner, Breeder
9100051	NC 2C		12/17/1990	N. C. Agricultural Research Service, Dr. R. G. Gardner, Breeder
9100052	Mountain Gold		12/17/1990	N. C. Agricultural Research Service, Dr. R. G. Gardner, Breeder
TREFOIL, BIRDSFOOT				
9100057	AU Dewey		12/24/1990	Alabama Agricultural Experiment Station
TRITICALE				
9100032	Roughrider		11/29/1990	Goertzen Seed Research
9100054	Stan II		12/21/1990	Resource Seeds, Inc.

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APPLICATIONS RECEIVED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
WHEAT, COMMON				
9100006	<Siouxland 89>	(3)	10/10/1990	Texas Agricultural Experiment Station
9100031	Voyager	(3)	11/29/1990	Goertzen Seed Research
9100055	Wakefield	(2)	12/26/1990	Virginia Agricultural Experiment Station
9100056	Madison	(2)	12/26/1990	Virginia Agricultural Experiment Station

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APPLICATIONS AMENDED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

Information concerning the varieties below has been published previously in the Official Journal's list of "APPLICATIONS RECEIVED." During the examination process, the applicant requested this information amended as indicated below.

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
CELERY				
9000031	Waterloo		11/20/89	Tanimura & Antle, Inc.
	Variety with temporary designation <85-16A-3> named 'Waterloo'.			
RYEGRASS, PERENNIAL				
8800229	Amazon		08/26/88	Willamette Seed Co.
	Name of variety changed from 'Prevail' to 'Amazon'.			

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APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
OCOTBER 1, 1990 TO DECEMBER 31, 1990

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

KIND	APPL. NO.	VARIETY
CORN, FIELD	8900234	792

< > Identifies temporary designations.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

ALFALFA

8900282 MultiKing 1 — 10/31/1990 — Northrup King Company

'MultiKing 1' is most similar to the variety 'Legend' but differs in the percent of multifoliolate stems as measured by examining stems taken at intervals throughout the plot. 'MultiKing 1' has a significantly higher percentage of multifoliolate stems than 'Legend'. All stems with more than three leaflets on two or more leaves were considered to be multifoliolate. 'MultiKing 1' also has a significantly higher leaf to stem ratio than 'Legend'. It should be noted that the term "multileaf" has occasionally been used by others to refer to what is described as multifoliolate in this case. Thus far, both terms have been used in the industry to refer to alfalfa plants which have leaves bearing more than three leaflets. In terms of disease resistance, 'MultiKing 1' differs from 'Legend' in resistance to bacterial wilt, with a report of 73% resistant plants vs 54% in 'Legend'.

9000080 Legend — 11/30/1990 — Vista Research

The variety 'Legend' is most similar to 'Multileaf'. However, 'Legend' exceeds 'Multileaf' in levels of resistance to the following diseases: anthracnose (58 vs 0% resistant plants), Phytophthora root rot (50 vs 1%), and Verticillium wilt (44 vs 2%) respectively.

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

BARLEY

8600081 B1202 (3) 12/31/1990 Busch Agricultural Resources, Inc.
'B1202' is most similar to 'Clark'; however, 'B1202' has a lax head and few teeth on the lateral veins of the kernel, whereas 'Clark' has a mid-lax head and no teeth on the lateral veins of the kernel. 'B1202' has a more nodding head than 'Clark'.

8600082 B1201 (3) 12/31/1990 Busch Agricultural Resources, Inc.
'B1201' is most similar to 'Summit'; however, 'B1201' has a closed collar on the stem and has longer stem exsertion (3 to 10 cm vs 0 to 3 cm) than 'Summit'. 'Summit' has a V-shaped collar. The flag leaf of 'B1201' at boot stage has a drooping to 90o angle whereas the flag leaf of 'Summit' is upright at boot. 'B1201' does not express stem anthocyanin whereas 'Summit' does.

8600083 B1601 (3) 12/31/1990 Busch Agricultural Resources, Inc.
'B1601' is most similar to 'Robust'; however, 'B1601' has rough lemma awns and long hairs on the rachilla whereas 'Robust' has smooth lemma awns and short hairs on the rachilla. 'B1601' also has higher levels of alpha amylase than 'Robust'.

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OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

BARLEY (Continued)

8700053 Fiesta (*) 12/31/1990 Western Plant Breeders, Inc.

'Fiesta' is most similar to 'Gus' and 'WestBred Gustoe'; however, 'Fiesta' flowers 5 to 10 days earlier than 'Gus' and 7 to 13 days earlier than 'WestBred Gustoe'. 'Fiesta' has a colorless (white) aleurone whereas 'Gus' and 'WestBred Gustoe' have a blue aleurone.

BEAN, GARDEN

8600095 Bronco 11/30/1990 Asgrow Seed Company

'Bronco' is most similar to 'Strike' and 'Slenderette'; however, pods of 'Bronco' are dark (144A, 143C Royal Horticultural Society (RHS) Colour Chart) while those of 'Strike' are relatively light (145A, 145B RHS Colour Chart). 'Bronco' has an average pod length 1.5 cm (13.8 vs 12.3 cm) longer than 'Slenderette', and 'Bronco' develops considerable fiber in the pod, while 'Slenderette' develops little if any. 'Bronco' has oval pods, while those of 'Slenderette' are round, and 'Bronco' is susceptible to curly top, while 'Slenderette' is resistant.

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN (Continued)				
8700024	Stiletto		12/31/1990	Ferry-Morse Seed Company
	'Stiletto' most closely resembles 'Contender'; however, 'Stiletto' has round pods, while those of 'Contender' are oval-flat; also, 'Stiletto' has brown (Nickerson color fan 10 YR 4/4) seeds, while 'Contender' has cinnamon (7.5 YR 5/7) seeds.			
CELERY				
8900100	Hercules		10/31/1990	Ferry-Morse Seed Company
	'Hercules' is most similar to 'Deacon'; however, 'Hercules' matures an average of 10 days earlier (81 vs 91 days) in the Salinas Valley and has longer petioles (24 vs 22 cm) than 'Deacon'.			
9000210	Matador		10/31/1990	Pybas Vegetable Seed Co., Inc.
	'Matador' is most similar to 'Tall Utah 52-70R Improved'; however, 'Matador' has greater resistance to Fusarium yellow race 2, less petiole ribbiness, and lighter green foliage coloration (RHS Colour Chart 144A vs 144B) than 'Tall Utah 52-70R Improved'.			

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CELERY (Continued)				
9000267	Gene's Gem 11-7		11/30/1990	A. Duda & Sons, Inc.
	'Gene's Gem 11-7' is most similar to 'Floribelle'; however, 'Gene's Gem 11-7' is resistant to Fusarium yellow race 2, whereas 'Floribelle' is susceptible.			
CLOVER, CRIMSON				
8800203	Flame	(3)	11/30/1990	Florida Agricultural Experiment Station
	'Flame' is most similar to 'Tibbee'; however, 'Flame' reaches 50% bloom approximately one week earlier than 'Tibbee' at Gainesville, Florida.			
CORN, FIELD				
8900095	CR14		12/31/1990	J. C. Robinson Seed Co.
	'CR14' is most similar to 'CM105'. 'CR14' differs from 'CM105' in leaf angle (<30 vs >60 degrees), glume color (purple vs green), and ear height (84 vs 65 cm).			

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

CORN, FIELD (Continued)

8900201 L 127 — 12/31/1990 — Lifaco Seed Corporation

'L 127' is most similar to 'MBS 847'. 'L 127' differs from 'MBS 847' in peduncle length (15 vs 5 cm) and 50% silking (63 days or 1230 heat units vs 66-68 days or 1473 heat units). 'L 127' has green silks.

8900202 L 135 — 12/31/1990 — Lifaco Seed Corporation

'L 135' is most similar to 'MBS 847'. 'L 135' differs from 'MBS 847' in peduncle length (20 vs 5 cm) and 50% silking (66 days or 1305 heat units vs 66-68 days or 1473 heat units). 'L 135' has pink silks.

8900203 L 139 — 12/31/1990 — Lifaco Seed Corporation

'L 139' is most similar to 'OH43'. 'L 139' differs from 'OH43' in cob color (red vs white) and anther color (pink vs light yellow).

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

CORN, FIELD (Continued)

8900233 E8501 — 10/31/1990 — Northrup King Company
'E8501' is most similar to 'LH51'; however, 'E8501' reaches 50% pollen shed approximately 116 heat units earlier and reaches 50% silking approximately 137 heat units earlier than 'LH51'.

8900309 PHJ70 — 10/31/1990 — Pioneer Hi-Bred International, Inc.
'PHJ70' is most similar to 'B73'. 'PHJ70' differs from 'B73' in tassel branch angle (>45 vs <30 degrees). 'PHJ70' has better late season plant health (5.8 vs 3.3 rating on a scale of 1 - 9) than 'B73'.

8900310 PHJ75 — 10/31/1990 — Pioneer Hi-Bred International, Inc.
'PHJ75' is most similar to 'PHR25'. 'PHJ75' differs from 'PHR25' in number of lateral tassel branches (8 vs 13), number of kernel rows (14 vs 18), and glume color (purple vs green).

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (Continued)				
8900311	PHK35		10/31/1990	Pioneer Hi-Bred International, Inc.
	'PHK35' is most similar to 'PHK29'. 'PHK35' differs from 'PHK29' in number of lateral tassel branches (7 vs 3), anther color (red purple vs yellow), and cob color (white vs red).			
8900312	PHM10		10/31/1990	Pioneer Hi-Bred International, Inc.
	'PHM10' is most similar to '207'. 'PHM10' differs from '207' in number of lateral tassel branches (7 vs 15), anther color (greenish yellow vs red), and silk color (greenish yellow vs red).			
8900313	PHM57		10/31/1990	Pioneer Hi-Bred International, Inc.
	'PHM57' is most similar to 'PHV78'. 'PHM57' differs from 'PHV78' in number of marginal waves on the leaves (many vs none), 50% pollen shed (1710 vs 1601 heat units), and 50% silking (1737 vs 1650 heat units).			

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

CORN, FIELD (Continued)

8900314 PHN29 — 10/31/1990 — Pioneer Hi-Bred International, Inc.
'PHN29' is most similar to 'B73'. 'PHN29' differs from 'B73' in 50% silking (1440 vs 1523 heat units) and silk color (red vs green).

8900315 PHN37 — 10/31/1990 — Pioneer Hi-Bred International, Inc.
'PHN37' is most similar to 'PHG47'. 'PHN37' differs from 'PHG47' in number of lateral tassel branches (4 vs 11), silk color (salmon vs green), and cob color (red vs white).

8900316 PHN73 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHN73' is most similar to 'G35'. 'PHN73' differs from 'G35' in silk color (green vs red), 50% pollen shed (1457 vs 1564 heat units) and 50% silking (1496 vs 1601 heat units).

8900317 PHN82 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHN82' is most similar to 'G35'. 'PHN82' differs from 'G35' in silk color (pink vs red), cob color (red vs brown), and 50% silking (1500 vs 1589 heat units).

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

CORN, FIELD (Continued)

8900318 PHP55 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHP55' is most similar to 'PHG29'. 'PHP55' differs from 'PHG29' in anther color (yellow vs red) and silk color (pink vs red).

8900319 PHP60 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHP60' is most similar to 'PHN47'. 'PHP60 differs from 'PHN47' in number of lateral tassel branches (9 vs 13), anther color (yellow vs purple), and cob color (white vs red).

8900320 PHR62 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHR62' is most similar to 'G50'. 'PHR62' differs from 'G50' in leaf color (medium green vs dark green), number of longitudinal leaf creases (many vs none), and anther color (pink vs red).

8900321 PHR63 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHR63' is most similar to 'PHV78'. 'PHR63' differs from 'PHV78' in anther color (yellow vs red) and cob color (pink vs red). 'PHR63' reaches 50% silking approximately 138 heat units earlier than 'PHV78'.

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

CORN, FIELD (Continued)

8900322 PHT22 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHT22' is most similar to 'PHV78'. 'PHT22' differs from 'PHV78' in anther color (pink vs red) and silk color (pink vs red). 'PHT22' reaches 50% silking approximately 104 heat units earlier than 'PHV78'.

8900323 PHV37 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHV37' is most similar to 'PHK29'. 'PHV37' differs from 'PHK29' in tassel branch angle (<30 vs >45 degrees). 'PHV37' reaches 50% pollen shed approximately 110 heat units earlier and reaches 50% silking approximately 122 heat units earlier than 'PHK29'.

8900324 PHW03 — 11/30/1990 — Pioneer Hi-Bred International, Inc.
'PHW03' is most similar to 'PHK29'. 'PHW03' differs from 'PHK29' in pollen shed (light vs heavy). 'PHW03' reaches 50% pollen shed approximately 136 heat units earlier and reaches 50% silking approximately 164 heat units earlier than 'PHK29'.

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (Continued)				
8900325	PHW20		11/30/1990	Pioneer Hi-Bred International, Inc.
	'PHW20' is most similar to 'PHT60'. 'PHW20' differs from 'PHT60' in number of kernel rows (18 vs 14) and leaf color (dark green vs medium green).			
8900326	PHW43		11/30/1990	Pioneer Hi-Bred International, Inc.
	'PHW43' is most similar to 'G35'. 'PHW43' differs from 'G35' in number of kernel rows (16 vs 12) and cob color (red vs brown). 'PHW43' reaches 50% pollen shed approximately 128 heat units earlier and reaches 50% silking approximately 114 heat units earlier than 'G35'.			
9000129	RS710		12/31/1990	Dahlgren & Company, Inc.
	'RS710' is most similar to 'A641'; however, 'RS710' is 16-20 cm shorter in plant height and 17 cm lower in ear height than 'A641'.			

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
COTTON				
8800117	PD-3	(3)	12/31/1990	South Carolina Agricultural Experiment Station and USDA-ARS
	'PD-3' is most similar to 'Coker 315'; however, 'PD-3' has a higher Stelometer T1 (25.6 vs 24.5 g/tex: Florence, SC) than 'Coker 315'.			
8800133	Terra 207		12/31/1990	Terra International, Inc.
	'Terra 207' is most similar to 'DES 119'; however, 'Terra 207' matures 4 days earlier than 'DES 119'.			
8900207	S-35		10/31/1990	Seed Source, Inc.
	'S-35' is most similar to 'McNair 235'; however, 'S-35' has coarse bracteole teeth and attains 50% boll opening in 133 days, whereas 'McNair 235' has fine bracteole teeth and attains 50% boll opening in 138 days.			

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
COTTON (Continued)				
8900208	S-55		10/31/1990	Seed Source, Inc.
	'S-55' is most similar to 'DES 119'; however, 'S-55' is less pubescent than 'DES 119' and lacks extrafloral nectaries, whereas 'DES 119' has extrafloral nectaries.			
8900252	Coker 130		11/30/1990	Stoneville Pedigreed Seed Company, Inc.
	'Coker 130' is most similar to 'Coker 315'; however, 'Coker 130' has a shorter 2.5% span length (1.17 vs 1.20 in) than 'Coker 315'.			
8900269	Paymaster 147	(3)	11/30/1990	Cargill Hybrid Seeds
	'Paymaster 147' is most similar to 'Paymaster 145'; however, 'Paymaster 147' is less susceptible to Verticillium wilt (19 vs 26; 0-99 scale; 99: most susceptible).			
8900270	Paymaster 892	(3)	11/30/1990	Cargill Hybrid Seeds
	'Paymaster 892' is most similar to 'Paymaster 792'; however, 'Paymaster 892' has a higher average lint percent (27.0 vs 23.7%) than 'Paymaster 792'.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
COTTON (Continued)				
8900290	Coker 320		12/31/1990	Stoneville Pedigreed Seed Company, Inc.
	'Coker 320' is most similar to 'Coker 315'; however, 'Coker 320' produces fibers with a higher micronaire (4.90 vs 4.57) than 'Coker 315'.			
9000212	Acala BR-636		12/31/1990	Stoneville Pedigreed Seed Co., Inc.
	'Acala BR-636' is most similar to 'Deltapine 90'; however, 'Acala BR-636' has smaller bolls (diameter: 28 vs 32 mm) and fibers that are longer (UHM length: 1.17 vs 1.14), stronger (Stelometer T1: 29.9 vs 27.3 g/tex), and finer (Micronaire: 4.55 vs 5.17) than 'Deltapine 90'.			
RYEGRASS, PERENNIAL				
8800224	Dandy		10/31/1990	R. H. Bailey Seed, Inc.
	'Dandy' is most similar to 'Pennfine'; however, 'Dandy' has an average 50% heading date 4 days later and more resistance to stem rust (4.1 vs 5.3: 1-9 scale; 1=least disease) than 'Pennfine'.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

SOYBEAN

8900155 Hartz 6686 — 11/30/1990 — Jacob Hartz Seed Company, Inc.

'Hartz 6686' is most similar to 'Tracy-M'; however, 'Hartz 6686' has purple flowers while 'Tracy-M' has white flowers. Also, 'Tracy-M' is susceptible to southern root knot nematode and resistant to iron chlorosis, while 'Hartz 6686' is resistant and susceptible, respectively.

8900173 9302 — 12/31/1990 — Pioneer Hi-Bred International, Inc.

'9302' is most similar to '9292', 'A3127', and 'Pella 86'. However, '9302' has tan pod walls, brown hila, and is resistant to race 3 of Phytophthora megasperma var. sojae. In contrast '9292' has brown pod walls and is susceptible to race 3 of Phytophthora megasperma var. sojae. '9302' differs from 'A3127' in that '9302' has brown hila and is resistant to race 3 of Phytophthora megasperma var. sojae, whereas 'A3127' has black hila and is susceptible to the disease. '9302' differs from 'Pella 86' in that '9302' has brown hila and is susceptible to race 4 of Phytophthora megasperma var. sojae, whereas 'Pella 86' has black hila and is resistant to the disease.

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER

SOYBEAN (Continued)

8900174 9303 — 12/31/1990 — Pioneer Hi-Bred International, Inc.

'9303' is most similar to 'Oak'; however, '9303' is 5 days later maturing than 'Oak', has larger seeds (20.13 vs 18.66 g/100), and the maximum canopy width is 3.9 inches wider than that for 'Oak'.

TOBACCO

8900079 K358 — 10/31/1990 — Northrup King Company

'K358' is most similar to 'Coker 319'; however, 'K358' has moderate resistance to black shank and high resistance to bacterial wilt, whereas 'Coker 319' is susceptible to black shank and bacterial wilt.

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
TOMATO				
8700058	Ramsay		12/31/1990	Campbell Soup Company Campbell Institute for Research and Technology

'Ramsay' is most similar to 'Campbell 34'; however, 'Ramsay' is lower in natural tomato soluble solids (5.4 vs 6.2), lower in total solids (6.09 vs 6.72%), and lower in titratable acidity than 'Campbell 34' (6.20 vs 6.50 ml 0.1 N NaOH required to neutralize 10 ml cooked tomato puree). 'Ramsay' is higher in viscosity than 'Campbell 34' (WIS/TS 0.12 vs 0.09), and lower in average fruit weight (64 vs 76 g).

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES AMENDED

OCTOBER 1, 1990 TO DECEMBER 31, 1990

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BARLEY				
8000092	Poco	(3)	05/31/85	Germain's, Inc.
	Name of owner changed from Wilbur-Ellis Company to Germain's, Inc.			
CELERY				
9000267	Gene's Gem 11-7		11/30/1990	A. Duda & Sons, Inc.
	Variety with temporary designation <Gene's Gem 11-7> named 'Gene's Gem 11-7'.			

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

CERTIFICATES AMENDED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD				
8700134	NS701		05/31/1988	DowElanco
8800149	NS501		04/28/1989	DowElanco
8800150	OQ603		04/28/1989	DowElanco
	Name of owner of the above corn varieties changed from United AgriSeeds, Inc. to DowElanco.			
8900201	L 127		12/28/1990	Lifaco Seed Corporation
	Variety with temporary designation <L 127> named 'L 127'.			

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

CERTIFICATES AMENDED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (Continued)				
8900202	L 135		12/28/1990	Lifaco Seed Corporation
	Variety with temporary designation <L 135> named 'L 135'.			
8900203	L 139		12/28/1990	Lifaco Seed Corporation
	Variety with temporary designation <L 139> named 'L 139'.			

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

CERTIFICATES EXPIRED
OCTOBER 1, 1990 TO DECEMBER 31, 1990

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name only as a class of certified seed. However, varieties published in this list may possibly be protected under the Patent Act.

CERT. NO.	VARIETY	GEN. (*)	EXPIRATION DATE	NAME OF APPLICANT
LETTUCE				
7300069	Tempe		12/20/90	Asgrow Seed Co.
7300070	Oasis		12/20/90	Asgrow Seed Co.
SOYBEAN				
7300018	FFR 777		11/08/90	FFR Cooperative
7300091	Coker 136	(3)	10/18/1990	Northrup King Co.
7400005	SRF 425	(3)	12/05/90	Soybean Research Foundation, Inc.
WHEAT, COMMON				
7200118	Nicoma	(3)	11/19/90	Oklahoma Agric. Expt. Sta.

(*) The Plant Variety Protection Act no longer requires these varieties to be sold by variety name only as a class of certified seed.

DESCRIPTION OF PUBLIC VARIETIES

In accordance with section 180.800 of the Plant Variety Protection Act, descriptions of "public varieties" voluntarily submitted on PVP objective description forms will be accepted for publication in the PVP Official Journal. Publication of such descriptions in no way constitutes recognition of the variety as novel or entitles it to protection under the Plant Variety Protection Act.

The following are descriptions of public varieties of inbred corn lines developed by Drs. W. A. Compton and W. C. Youngquist of the Nebraska Agricultural Experiment Station.

The "PV Number" assigned to each variety should not be construed as meaning the variety is protected under the PVP Act; it is merely the accession number of that variety in the Office's database of corn variety descriptions.

Requests for seed samples and further information about these three cultivars should be directed to University of Nebraska, Foundation Seed Division, 3115 N. 70th Street, Lincoln, NE 68507.

VOLUNTARY FIELD CORN DESCRIPTION

Variety Name: 'N199' PV Number: 9010011

Inbred line 'N199' is a selection out of 'Mo44'. 'N199' is shorter than 'Mo44' or 'Mo17'. Flowering occurs about one day later than 'Mo17'. Seed set is better than in 'Mo44'. 'N199' has excellent root and stalk strength with good staygreen late into the season. In crosses with 'B73' under irrigated conditions, 'N199' has comparable yields to 'B73'x'Mo17'. Harvest moisture is about one point higher than 'B73'x'Mo17' and is comparable to 'B73'x'Mo44'. 'N199' is being released for its good stalk strength and ability to yield well under good conditions with minimal lodging. It was released in May 1990.

Breeders: Drs. W. A. Compton and W. C. Youngquist, University of Nebraska, Lincoln.

Kernel Type	Dent	Row Straightness	Slightly Curved
Best Region	Northcentral USA	Exposed Silk Color	Green
Chromosome No.	Diploid	Fresh Husk Color	Dark Green
Days to Mid Silk	82	Dry Husk Color	Buff
Tillers/Plant	None	Husk Extension	
Ears/Plant	Slight 2-Ear Tendency	Beyond Ear	8-10 cm
		Husk Leaf Length	< 8 cm
Cytoplasm Type	Normal	Dry Ear Position	Upright
Leaf Color	Dark Green	Ear Taper	Average
Leaf Angle	30-60 degrees	Ear Drying Time	Average
Leaf Marginal Waves	Absent	Kernel Shape Grade	40-60% Rounds
		Pericarp Color	Colorless
Leaf Creases	Absent	Aleurone Color	Homozygous Tan
Pollen Shed	Medium	Endosperm Color	Yellow
Anther Color	Yellow	Endosperm Type	Normal Starch
Glume Color	Pink	Cob Strength	Strong
Row Distinctness	Distinct	Cob Color	Red

Plant Diseases: Resistant to Northern Leaf Blight, Corn Smut, and Head Smut.

VOLUNTARY FIELD CORN DESCRIPTION

Variety Name: 'N200' PV Number: 9010012

Inbred line 'N200' is a selection out of 'Mo44'. 'N200' is shorter than 'Mo44' or 'Mo17'. Flowering occurs about one day later than 'Mo17'. Seed set is better than in 'Mo44'. 'N200' has excellent root and stalk strength with good staygreen late into the season. In crosses with 'B73' under irrigated conditions, 'N200' has comparable yields to 'B73'x'Mo17'. Harvest moisture is about one point higher than 'B73'x'Mo17' and is comparable to 'B73'x'Mo44'. 'N200' is being released for its good stalk strength and ability to yield well under good conditions with minimal lodging. It was released in May 1990.

Breeders: Drs. W. A. Compton and W. C. Youngquist, University of Nebraska, Lincoln.

Kernel Type	Dent	Row Straightness	Slightly Curved
Best Region	Northcentral USA	Exposed Silk Color	Green
Chromosome No.	Diploid	Fresh Husk Color	Dark Green
Days to Mid Silk	82	Dry Husk Color	Buff
Tillers/Plant	None	Husk Extension	
Ears/Plant	Slight 2-ear Tendency	Beyond Ear	8-10 cm
		Husk Leaf Length	< 8 cm
Cytoplasm Type	Normal	Dry Ear Position	Upright
Leaf Color	Medium Green	Ear Taper	Average
Leaf Angle	30-60 degrees	Ear Drying Time	Average
Leaf Marginal Waves	Absent	Kernel Shape Grade	40-60% Rounds
		Pericarp Color	Colorless
Leaf Creases	Absent	Aleurone Color	Homozygous Tan
Pollen Shed	Medium	Endosperm Color	Yellow
Anther Color	Yellow	Endosperm Type	Normal Starch
Glume Color	Yellow	Cob Strength	Strong
Row Distinctness	Distinct	Cob Color	Red

Plant Diseases: Resistant to Northern Leaf Blight, Corn Smut, and Head Smut.

VOLUNTARY FIELD CORN DESCRIPTION

Variety Name: 'N201' PV Number: 9010013

Inbred line 'N201' was selfed out of 'N28'x'B73'. It has the same F2 parent as 'N195' and 'N196'. Selection was for high index (yield x % standing plants x % undropped ears) in crosses with Lancaster germplasm. 'N201' is slightly taller than 'B73', but otherwise is similar in appearance with upright leaves. Flowering occurs about two to three days later than 'B73'. 'N201' has good root and stalk strength with good tolerance for drought. Ear rot has been observed under some conditions in seed production, but this was not observed in any hybrids. Crosses to Lancaster lines are suggested. In crosses with 'Mo17', 'N201' has out yielded 'B73'x'Mo17' by 5% over a four year period. Yields are relatively better under dryland conditions than under irrigation. Harvest moisture is similar to 'B73'x'Mo17'. 'N199' is being released for its high yielding ability and good performance in hybrid combinations under dryland conditions. It was released in May 1990.

Breeders: Drs. W. A. Compton and W. C. Youngquist, University of Nebraska, Lincoln.

Kernel Type	Dent	Row Distinctness	Distinct
Best Region	Northcentral USA	No. Kernel Rows/Ear	16
Chromosome No.	Diploid	Row Straightness	Straight
Heat Units to		Exposed Silk Color	Green
Mid Silk	1490	Fresh Husk Color	Light Green
Tillers/Plant	1-2	Dry Husk Color	Buff
Ears/Plant	Slight 2-ear	Husk Extension	
	Tendency	Beyond Ear	< 8 cm
Cytoplasm Type	Normal	Husk Leaf Length	< 8 cm
Leaf Color	Medium Green	Dry Ear Position	Pendent
Leaf Angle	30-60 degrees	Ear Taper	Average
Leaf Sheath		Ear Drying Time	Average
Pubescence	Medium	Kernel Shape Grade	20-40% Rounds
Leaf Marginal		Pericarp Color	Colorless
Waves	Few	Aleurone Color	Homozygous Tan
Leaf Creases	Absent	Endosperm Color	Pale Yellow
Pollen Shed	Medium	Endosperm Type	Normal Starch
Anther Color	Yellow	Cob Strength	Strong
Glume Color	Yellow	Cob Color	Red

Plant Diseases: Resistant to Northern Leaf Blight, Corn Smut, and Head Smut.

GENERAL INFORMATION

New Plant Variety Examiner Trainee

Kay K. Wain has joined the staff of the Plant Variety Protection Office (PVP Office) as of February 25, 1991. Before joining the PVP Office as a plant variety examiner trainee, Kay worked as a research associate with the U.S. Environmental Protection Agency for 4 years.

PATENT DEPOSITORY LIBRARY NOW HAS PVP FORMS AVAILABLE

Jeanne Oliver, Coordinator of the Patent and Trademark Depository Section of the Illinois State Library, has announced that they now have Plant Variety Protection forms and information available to the public. This includes Exhibit C Objective Description forms for the various crops. The Illinois State Library is located at 300 South 2nd Street, Springfield, Illinois, 62701-1796. The telephone number is (217) 782-5659.

* U.S. G.P.O.:1991-281-060:40262/AMS

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
PLANT VARIETY PROTECTION OFFICE
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